

## CLAIMS

1. A vehicle using pressurized fuel having a fuel tank, an engine, and an electrical system, said vehicle comprising:

an air motor/generator operatively connected to said electrical system.

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2. The vehicle of claim 1, where said air motor comprises a rotary screw.

3. The vehicle of claim 1, where said air motor/generator is configured and operationally connected to

10 depressurize said fuel from said fuel tank for said engine; and simultaneously generate electricity for said electrical system.

4. The vehicle of claim 1, where said air motor/generator is configured and operationally connected to

15 pressurize fuel from said fuel tank for said engine; by simultaneously drawing electricity from said electrical system.

5. A hybrid vehicle using pressurized fuel having a fuel tank, an engine, and an electrical system, said hybrid vehicle comprising:

20 an air motor/generator operatively connected to said electrical system.

6. The hybrid vehicle of claim 5, where said air motor comprises a rotary screw.

7. The hybrid vehicle of claim 5, where said air motor/generator is configured and operationally connected to

depressurize said fuel from said fuel tank for said engine; and simultaneously generate electricity for said electrical propulsion system.

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8. The hybrid vehicle of claim 5, where said air motor/generator is configured and operationally connected to

pressurize fuel from said fuel tank for said engine; by simultaneously drawing electricity from said electrical system.

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9. A hybrid vehicle using pressurized fuel having a fuel tank, a fuel cell, an electric motor, and a battery pack, said hybrid vehicle comprising:

an air motor/generator operatively connected to said electric motor and said battery pack.

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10. The hybrid vehicle of claim 9, where said air motor comprises a rotary screw.

11. The hybrid vehicle of claim 9, where said air motor/generator is configured and operationally connected to

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depressurize said fuel from said fuel tank for said fuel cell; and simultaneously generate electricity for said electric motor, or said battery pack, or both said electric motor and said battery pack.

12. The hybrid vehicle of claim 9, where said air motor/generator is configured and operationally connected to
- pressurize fuel from said fuel tank for said fuel cell; by simultaneously drawing electricity from said battery pack.